

10/518855

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Customer No. 22,852  
Attorney Docket No. 05788.0336

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: )  
)  
Andrea MELLONI et al. )  
) Group Art Unit: Not Yet Assigned  
Application No.: Not Yet Assigned )  
) Examiner: Not Yet Assigned  
Filed: December 21, 2004 )  
)  
For: FOUR-WAVE-MIXING BASED OPTICAL )  
WAVELENGTH CONVERTER DEVICE )

**MAIL STOP PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

Sir:

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)**

Pursuant to 37 C.F.R. §§1.56 and 1.97(b), applicants bring to the Examiner's attention the documents listed on attached Form PTO/SB/08 and cited in the international search report. With the exception of the U.S. patents, copies of the listed documents are attached. Applicants respectfully request that the Examiner consider the documents listed on attached Form PTO/SB/08 and indicate that they were considered by making an appropriate notation on this form.

This Information Disclosure Statement is being filed with the above-referenced application.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the

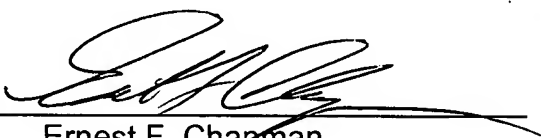
documents as prior art against any claim in the application and applicants determine that the cited documents do not constitute "prior art" under United States law, applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents. Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER, L.L.P.

Dated: December 21, 2004

By:   
Ernest F. Chapman  
Reg. No. 25,961

Enclosures  
EFC/FPD/blc

IDS Form PTO/SB/08: Substitute for form PTO/SB/01		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	Not Yet Available 10/518855
		Filing Date	December 21, 2004
		First Named Inventor	Andrea MELLONI
		Art Unit	Not Yet Available
		Examiner Name	Not Yet Available
Sheet 1 of 1	Attorney Docket Number	05788.0336	

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS					
Examiner Initials	Cite No. <sup>1</sup>	Document Number	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US-5,696,780	12-09-1997	Pieterse et al.	
		US-5,854,802	12-29-1998	Jin et al.	
		US-5,311,605	05-10-1994	W.J. Stewart	
		US-6,002,522	12-14-1999	K. Todor et al.	
		US-5,243,610	09-07-1993	S. Murata	
		US-5,550,671	08-27-1996	J.R. Simpson	

**Note: Copies of the U.S. Patent Documents are not Required in IDS filed after October 21, 2004**

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		EP 0 730 191 A2	09-04-1996	J.R. SIMPSON et al.		

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		Translation <sup>6</sup>
		P.P. ABSIL et al., "WAVELENGTH CONVERSION IN GaAs MICRO-RING RESONATORS", Optics Letters, Vol. 25, No. 8, pp. 554-556, (April 15, 2000).		
		A. MELLONI et al., "SYNTHESIS OF DIRECT-COUPLED-RESONATORS BANDPASS FILTERS FOR WDM SYSTEMS", Journal of Lightwave Technology, Vol. 20, No. 2, pp. 296-303, (February 2002).		
		A. YARIV et al., "COUPLED-RESONATOR OPTICAL WAVEGUIDE: A PROPOSAL AND ANALYSIS", Optics Letters, Vol. 24, No. 11, pp. 711-713, (June 1, 1999).		
		R. GOTO et al., "SIDEBAND INJECTION LOCKING USING CAVITY-ENHANCED HIGHLY NON-DEGENERATE FOUR-WAVE MIXING IN DFB-LDs", Electronics Letters, Vol. 34, No. 23, pp. 2249-2250, (November 12, 1998).		
		H. van de STADT et al., "MULTIMIRROR FABRY-PEROT INTERFEROMETERS", Optical Society of America, Vol. 2, No. 8, pp1363-1370, (August 8, 1985).		
		S.J.B. YOO, "WAVELENGTH CONVERSION TECHNOLOGIES FOR WDM NETWORK APPLICATIONS", Journal of Lightwave Technology, Vol. 14, No. 6, pp. 955-966, (June 6, 1996).		

Examiner Signature		Date Considered	
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**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.